

**P2 COMMITTEE ACTIVITIES AND TARGETS – FY – 2006 – Short Term**

	<b>ACTIVITIES (PROJECT LEADER)</b>	<b>TARGET</b>	<b>UPDATE</b>
1.	Adopt-A-Building (lawn care) (Sekura)	Buildings performing most of the necessary maintenance besides mowing at 3 buildings	Develop promotional program for weed-pulling, chemical spraying reduction. Discuss with Phil Kall and health & safety personnel first.
2.	Natural lawn care (Sekura)	Implement a more Earth-friendly lawn care program	L. Sekura to speak with Phil Kall and refer him to CSU's landscaping manager.
3.	No mow zones (Sekura)	Reduce fossil fuel burning, resources, and chemicals used in lawn maintenance	P. Kall and R. Palyo discussing 3 of 5 suggested areas.
4.	Energy conservation program (Sekura)	Long-term: reduce demand from 23 to 17 MW per month. Short-term: Implement conservation programs for ODIN and general GRC	L. Sekura to contact ODIN, Eli, etc. for advice on computer energy conservation (and Facilities/Rick Danks).
5.	Alternative power at Lewis Field (Miller / Sekura / Wroblewski)	Produce 1% power renewably at Lewis Field, or reduce power 1% by feeding into the grid. (Produce renewable energy to feed back into grid, remove an area from grid, or use power for a project instead of grid.)	L. Sekura to follow up with PV field to see if they are feeding back into the grid. Contract with First Energy now includes the ability to produce power renewably.
6.	Alternative power at Plum Brook (Miller / Sekura / Wroblewski)	Produce 1% power renewably at Plum Brook (Long-term = 2.5% +). (Produce renewable energy to feed back into grid, remove an area from grid, or use power for a project instead of grid.)	Per First Energy, GRC may produce as much renewable power as they wish at PBS, since they have no annual contract. They are "on tariff" just as residents are.
7.	First Energy / Community collaborations for alternative power (Miller / Sekura / Wroblewski)	Begin one collaborative project	L. Sekura and F. Miller to meet with GRC and First Energy contract people to discuss - around November.
8.	Assist in providing wind power from Lake Erie (F. Miller)	Assist in GEO project by receiving data at NASA antenna – Target achieved when wind monitoring study completed.	Lake Erie crib monitor set up.
9.	Hydrogen power production at GRC (Sekura / Hoberecht / Prokopius)	Hydrogen is produced at GRC in preparation for a fueling station or for use in a project.	\$20K in funding may be received during Oct or Nov. The electrolyzer should arrive within a week.
10.	Portable hydrogen unit (Sekura / Prokopius / Hoberecht)	Complete a prototype for general or military use.	Proposal submitted to CSU for \$163K of funding. Kevin Palmer (DOD) is also looking for funding sources.

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11.	Water conservation for cooling tower maintenance (Sekura / White)	Use rental portable unit, install permanent unit, or other method, to save water during shutdown	L. Sekura to follow up on cooling tower maintenance.
12.	Water conservation project (Sekura)	Implement one substantial water conservation project.	W. Howser, R. Palyo, and others reviewing other GRC once-through water systems.
13.	Water conservation program (Sekura)	Implement water conservation awareness program. (Long-term: Reduce water use by 3%?)	Meet with others to review water saving opportunities. Begin water conservation awareness program plan.
14.	Add 5 products to EPP site (Sekura) (CARRYOVER FROM FY05)	5 EPP products posted on the EPP site	Working on several product categories Toilet paper and toilet bowl cleaner write-up has been posted. Deodorant and sunscreen evaluations in progres.
15.	Create a home products listing on the EPP site - add 5 products (Sekura)	5 EPP products posted on the EPP site.	
16.	Create an AP/CPG assistance listing on the EPP site (Center-focused) - add 5 products (Sekura)	5 EPP products posted on the EPP site.	
17.	Plastic bag program (Sekura)	Reduce bags and/or replace with biodegradable. Implement program.	L. Sekura to revisit notes from 2003? plastic bag reduction attempt.
18.	Diapers vs disposables LCA (Sekura)	Create LCA and post on P2 site.	
19.	Biodegradable cafeteria supplies (Sekura)	Implement pilot program	Attempt one starch-to-go container. Cafeteria management is open to permitting a project.
20.	New cafeteria set-up (Sekura)	Integrate sustainability concepts	The SOW that went out for bid included pro-P2 language. Advisory committee for P2/Nutrition suggested to mgmt. New cafeteria is not using washables.
21.	Laser paint removal in Hangar (Sekura)	Make case for laser equipment at GRC	GRC was selected as the first test site for three lasers. The tests (indoor and outdoor) are scheduled for October 19-28.

**P2 COMMITTEE ACTIVITIES AND TARGETS – FY – 2006 - Long Term**

	<b>ACTIVITIES (PROJECT LEADER)</b>	<b>TARGET</b>	<b>UPDATE</b>
1.	Soil pile prairie – West & Cryogenic (Walker/Buttler/Sekura)	Plant native prairie	Buttler (Pheasants Forever) seed at GRC. Roto tilling to take place before planting. Soil will be needed for firing range. When heavy equipment is used to remove soil, we may grade.
2.	Garnet recycling tech transfer (Kocher)	Investigate business-wide applications	Once the video is on the website, W. Kocher will contact Marshall. Yod needs a badge. Kocher to provide Phase I Power Point video for the P2 website.
3.	Environmental management certification courses (Kocher/White)	Offer one course	P2/Sustainability course to be taught Spring 2006.
4.	Develop a web-based P2/Recycling training module(Kenzig/Kocher/Sekura)	Make available	M. Kenzig /S. Jacobson are working on the second draft of training module. GOLEARN program may be used.
5.	Life Cycle Assessment tool (Kocher / Sekura)	Develop basic model	Develop combined qualitative / quantitative tool.
6.	EPP web site (Kocher/Sekura)	Develop analytical tool	Utsav has competed first version of computer tool. Public version eventually to be on web.
7.	Market EPP site NASA-wide (Kocher / Kenzig / Myers)	Implement EPP on GoLearn.com or similar	W. Kocher will work with CSU, other centers, and local environmental groups. US EPA may be interested. Kenzig to work with card holders.
8.	Implement AP and EPP at PBS (Lallier / Kocher / Sekura)	One training session / up on Website	R. Lallier has been conducting environmental training sessions. Another is scheduled for next week.
9.	Strategic plan to include AP/EPP language in contracts (Kenzig/Myers)	Create clause language and incorporate into five contracts	Cafeteria SOW sustainability language developed, partially fulfilling 1 of 5 contract targets.
10.	EPP Chapter (Kocher / Sekura)	Publish EPP chapter	W. Kocher to see that the EPP chapter is approved. Editing in progress.
11.	Recycle Chapter (Kenzig)	Publish chapter	Draft to be distributed to Recycle Committee members. Due date for chapter TBD.
12.	AP Chapter (Kenzig)	Publish chapter	AP chapter being edited.
13.	Continue to convert SHED/other GRC vehicles to CNG/other alt. (Strawser)	All new/replacement vehicles capable of using alternative fuel	Three new "ethanol" vans were added recently. Energy bill passed - to provide for more usage of alternate fuels.

**Projects on Hold – Short Term**

	<b>ACTIVITIES (PROJECT LEADER)</b>	<b>TARGET</b>	<b>UPDATE</b>
1.	Replace large Iridite uses (Sekura)	Performance testing done	MIL spec includes chromate. This is a dead issue until GRC specs change or a new chemical developed. L. Sekura contacted KFC. Nothing tested yet. New chromate standard proposed to go into place in January 2006.
2.	Initiate a OneNASA hydrogen power project (Sekura / Hoberecht / Prokopius)	Consensus is achieved by Hydrogen Power Working Group & funding secured.	On hold.
11.	Hydrogen powered fleet (Sekura / Hoberecht / Prokopius )	GRC has a working hydrogen pumping station. (Long-term: GRC has at least one hydrogen car)	On hold until #10 is completed and further funding is received.

**Projects on Hold – Long Term**

	<b>ACTIVITIES (PROJECT LEAD)</b>	<b>TARGET</b>	<b>UPDATE</b>
1.	Install sustainable cooling towers at SPF (Lallier)	Conduct feasibility study	CoF project canceled. R. Lallier met CoF project team. Vortex system may be used.
2.	Sustainable cooling towers at GRC (Lallier / Myers)	Implement 1 tower – Eliminate disinfectant and/or minimize water use	Also, see short-term goals (#11). R. Lallier found another process to review. Write up to come.
3.	Replace Stoddard Solvent as degreaser (Sekura / Lallier)	Replace with EPP degreaser in Space Environment Chamber at PBS	Degreaser removed. Replacement for trichloroethane needed.
4.	Real Time Monitoring pilot study at GRC – Lewis Field (Kocher)	Secure funding for a prototype unit	Funding needed. Project may move forward during the last half of CY 2005.